BOFORT

The Cryogenic ISO Tank Network

Conversion Charts Data

Oxygen UN 1073	Weight		Gas		Liquid	
	pounds (lb)	kilograms (kg)	cubic feet (scf)	cu meters (Nm3)	gallons (gal)	liters (l)
1 pound	1.0	0.4536	12,076	0.3174	0.105	0.3977
1 kilogram	2,205	1.0	26.62	0.6998	0.2316	0.8767
1 scf gas	0.08281	0.03756	1.0	0.02628	0.008691	0.0329
1 Nm3 gas	3,151	14,291	38.04	1.0	0.3310	12,528
1 gallon liquid	9,527	4,322	115.1	3,025	1.0	3,785
1 liter liquid	2,517	11,417	30.38	0.7983	0.2642	1.0
1 short ton	2000	907.2	24160	635	209.9	794.5

Nitrogen UN 1977	Weight		Gas		Liquid	
	pounds (lb)	kilograms (kg)	cubic feet (scf)	cu meters (Nm3)	gallons (gal)	liters (l)
1 pound	1.0	0.4536	13,803	0.3627	0.1481	0.5606
1 kilogram	2,205	1.0	30.42	0.7996	0.3262	12,349
1 scf gas	0.07245	0.03286	1.0	0.02628	0.01074	0.04065
1 Nm3 gas	2,757	12,506	38.04	1.0	0.4080	15,443
1 gallon liquid	6,745	3.06	93.11	2,447	1.0	3,785
1 liter liquid	1,782	0.8083	24.60	0.6464	0.2642	1.0
1 short ton	2000	907.2	27605	725.4	296.2	1121

Argon UN 1951	Weight		Gas		Liquid	
	pounds (lb)	kilograms (kg)	cubic feet (scf)	cu meters (Nm3)	gallons (gal)	liters (l)
1 pound	1.0	0.4536	9,671	0.2543	0.08600	0.3255
1 kilogram	2,205	1.0	21.32	0.5605	0.18957	0.7176

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1 scf gas	0.1034	0.04690	1.0	0.02628	0.008893	0.03366
1 Nm3 gas	3,933	17,840	38.04	1.0	0.3382	12,802
1 gallon liquid	11,630	5,276	112.5	2,957	1.0	3,785
1 liter liquid	3,072	13,936	29.71	0.7812	0.2642	1.0
1 short ton	2000	907.2	19342	508.6	172	651.0

Carbon dioxide UN 1013	Weight			Gas		Liquid		Solid
	pounds	tons	kilograms	cubic feet	cu meters	gallons	liters	cubic feet
	(lb)	(t)	(kg)	(scf)	(Nm3)	(gal)	(l)	(cu ft)
1 pound	1.0	0.0005	0.4536	8,741	0.2294	0.11806	0.4469	0.010246
1 short ton	2000.0	1.0	907.2	17483	458.8	236.1	893.9	20.49
1 kilogram	2,205	0.0011023	1.0	19,253	0.5058	0.2603	0.9860	0.226
1 scf gas	0.1144	—	0.05189	1.0	0.02628	0.013508	0.05113	0.0011723
1 Nm3 gas	4,359	0.00218	19,772	38.04	1.0	0.5146	1,948	0.04468
1 gal liquid	8,470	0.004235	3,842	74.04	19,431	1.0	3,785	0.08678
1 liter liquid	2,238	0.0011185	10,151	19,562	0.5134	0.2642	1.0	0.02293
1 cu ft (solid)	97.56	0.0488	44.25	852.8	22.38	11,518	43.60	1.0

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